

U.S. Patent Application No. 09/640, 629
Reply to Office Action dated February 21, 2006

PATENT
450100-02651

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application. An identifier indicating the status of each claim is provided.

Listing of Claims

1. (Currently Amended) An image processing apparatus comprising:
image processing means for generating desired still image data corresponding to inputted image data ~~inputted from outside~~;
printing state information request generating means for generating the printing state ~~request information request~~ requesting the printing state information indicating ~~the a~~ printing state of a printing device;
outputting means for ~~having outputting~~ the still image data generated in said image processing means included in a packet pursuant to the IEEE (The Institute of Electrical and Electronic Engineers) 1394 standard to output the resulting packet and for defining the printing state information request generated by said printing state information request generating means by ~~the an~~ AV/C command set consistent with ~~the a~~ FCP (Function Control Protocol) pursuant to the IEEE 1394 standard and for outputting the resulting request to the printing device; and
printing state presentation means for presenting to a user the printing state in accordance with the printing state information on the image processing apparatus,
~~wherein said printing state information indicates a paper jam~~
wherein said outputting means periodically outputs said printing state information request to said printing device at a variable interval.

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2. (Currently Amended) The image processing apparatus according to claim

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said outputting means outputs said printing state ~~request~~ information request before transmitting a command indicating the ~~beginning of~~ start of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

3. (Currently Amended) An image processing method comprising:

generating desired still image data corresponding to inputted image data ~~inputted from outside~~;

generating the ~~a~~ printing state ~~request~~ information request which requests the printing state information request indicating the ~~a~~ printing state of the ~~a~~ printing device;

having the generated still image data contained in a packet ~~pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard~~ to output the resulting ~~pack~~ packet to said printing device;

simultaneously defining the generated printing state information request in an AV/C command set consistent with an FCP (Function Control Protocol) ~~pursuant to the IEEE 1394 standard~~ to output the resulting defined printing state to said printing device;

receiving said printing state information transmitted from said printing device in accordance with ~~an~~ said FCP; and

presenting the printing state to a user in accordance with the printing state information on an image processing apparatus,

~~wherein said printing state information indicates a paper jam~~

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periodically transmitting said printing state information request to said printing device at a variable interval.

4. (Currently Amended) The image processing method according to claim 3 wherein said printing state ~~request~~ information request is outputted before transmitting a command indicating the ~~beginning~~ of start of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

5. (Currently Amended) A printing device comprising:
inputting means fed with still image data contained in a packet ~~pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard~~ and with a printing state information request defined by ~~the~~ an AV/C command set consistent with an FCP (Function Control Protocol) ~~pursuant to the IEEE 1394 standard;~~

printing means for printing still image data inputted to said inputting means;
printing state information generating means for generating the printing state information indicating the a printing state of the printing device; and

outputting means for outputting said printing state information in accordance with the FCP responsive to the printing state information request fed to said inputting means to be displayed to a user on an image processing apparatus,

~~wherein said printing state information indicates a paper jam~~

wherein said inputting means periodically receives said printing state information request at a variable interval.

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6. (Currently Amended) A printing method comprising:

inputting still image data contained in a packet pursuant to the ~~IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard~~ and a printing state information request defined by the ~~an~~ AV/C command set consistent with an FCP (Function Control Protocol) pursuant to the ~~IEEE 1394 standard~~;

printing the input still image data; and

generating the printing state information indicating the a printing state responsive to the input printing state information request to output said printing state information in accordance with the FCP to be displayed to a user on an image processing apparatus,

~~wherein said printing state information indicates a paper jam~~

periodically inputting said printing state information request at a variable interval.

7. (Currently Amended) An image printing system comprising:

an image processing apparatus comprising[[;]]

~~said image processing apparatus including~~ image processing means for generating desired still image data corresponding to inputted image data ~~inputted from outside~~;

printing state information request generating means for generating the printing state request information request requesting the printing state information indicating the a printing state of a printing device;

outputting means for having the still image data generated in said image processing means included in a packet pursuant to the ~~IEEE (The Institute of Electrical and Electronic Engineers) 1394 standard~~ to output the resulting packet and for defining the printing state information request generated by said printing state information request generating means

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by the an AV/C command set consistent with the a FCP (Function Control Protocol) pursuant to the ~~IEEE 1394 standard~~ and for outputting the resulting request to the printing device;

wherein said outputting means periodically outputs said printing state information request to said printing device at a variable interval; and

printing state presentation means for presenting to a user the printing state in accordance with the printing state information on the image processing apparatus;

said printing device comprising:

inputting means fed with still image data outputted by said image processing apparatus and with a printing state information request;

printing means for printing the still image data fed to said inputting means;

printing state information generating means for generating the printing state information indicating the printing state of the printing device; and

outputting means for outputting said printing state information in accordance with the FCP to said image processing apparatus responsive to the printing state information request fed to said inputting means,

~~wherein said printing state information indicates a paper jam~~

wherein said inputting means periodically receives said printing state information request at a variable interval.

8. (Currently Amended) The image processing apparatus according to claim 7 wherein,

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said outputting means of the image processing apparatus outputs said printing state ~~request-information~~ request to the printing device before transmitting a command indicating the ~~beginning of start~~ of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

9. (Currently Amended) An image printing method wherein
on an image processing device, desired still image data corresponding to inputted image data ~~inputted from outside~~ are generated, ~~the a printing state information request~~ information which requests the printing state information ~~request~~ indicating the a printing state of the a printing device is generated, the generated still image data is contained in a packet ~~pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard~~, and the resulting packet is outputted to said printing device; the generated printing state information request is defined in an AV/C command set consistent with an FCP (Function Control Protocol) ~~pursuant to the IEEE 1394 standard~~ to output the resulting defined printing state information request to said printing device;

wherein said printing state information request is periodically outputted to said printing device at a variable interval;

wherein on a printing device side, still image data outputted by said image processing apparatus and a printing state information request are inputted, the input still image data is printed, the generated printing state information indicating the printing state of the printing device is outputted responsive to the input printing state information request to the image processing apparatus in accordance with the FCP; and

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wherein on the image processing side, said printing state information transmitted from said printing device in accordance with an FCP is received and the printing state is presented to a user in accordance with the printing state information on an image processing apparatus[.]]

~~wherein said printing state information indicates a paper jam.~~

10. (Currently Amended) The image printing system according to claim 9 wherein said outputting means of the image processing apparatus outputs said printing state ~~request information~~ request to the printing device before transmitting a command indicating the ~~beginning of start~~ of a printing job, a command indicating the end of a printing job, or a capture command indicating the effect that image data is being transmitted.

11. (Currently Amended) A recording medium having stored therein an image processing program, said program comprising:

- generating desired still image data corresponding to inputted image data ~~inputted from outside;~~
- generating the printing state information request ~~information~~ which requests the printing state information indicating the a printing state of ~~the a~~ printing device;
- having the generated still image data contained in a packet ~~pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard~~ to output the resulting packet to said printing device;
- simultaneously defining the generated printing state information request in an AV/C command set consistent with an FCP (Function Control Protocol) ~~pursuant to the IEEE~~

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~~1394 standard~~ to output the resulting defined printing state information request to said printing device;

receiving said printing state information transmitted from said printing device in accordance with the FCP; and

presenting the printing state to a user in accordance with said printing state information on an image processing apparatus,

~~wherein said printing state information indicates a paper jam~~

wherein said printing state information request is periodically outputted to said printing device at a variable interval.

12. (Currently Amended) A recording medium having stored therein an image processing program, said program comprising:

inputting still image data contained in a packet ~~pursuant to the IEEE (The Institute of Electrical and Electronics Engineering) 1394 standard~~ and a printing state information request defined by the an AV/C command set consistent with an FCP (Function Control Protocol) ~~pursuant to the IEEE 1394 standard;~~

printing still image data inputted to said inputting means;

generating the printing state information indicating the printing state responsive to the ~~input~~ printing state information request to output said printing state information in accordance with the FCP to be displayed to a user on an image processing apparatus,

~~wherein said printing state information indicates a paper jam~~

periodically inputting said printing state information request at a variable interval.